

Bill No : 1st and Part Bill

Name of Agency : M/s A.G. Narayanaswamy

Name of Work : Developments works to be under taken in Ward No 05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagalur and Kattigenahalli Byatarayanapura Constituency

BOQ Item No	CHAINAGE Land Mark	Side	NO	L (m)	Avg B (m)	D (m)	QTY	Unit	Rate	Amount
Detailed Measurement										
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27, I No-533, KPWD SR 2018-19)									
	Quantity Vide Premeasurements Page No - 1						337.20	Sqm	106.94	36766.69
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (I No-19.1, P No-144)									
	Quantity Vide Premeasurements Page No - 2 to 3						1629.88	Cum	202.44	329911.86
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete (P.No-27, I No-531.1, KPWD SR 2018-19), 7.5cms thick									
	Quantity Vide Premeasurements Page No - 6						90.00	Sqm	684.44	61599.60
4	KSRB 4-1.2. Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13, I No-4.2, KPWD SR 2018-19)									
	Quantity Vide Premeasurements Page No - 9 to 11						249.27			
	Qty Upto 125%						84.00	Cum	5109.20	429172.80
	Qty Above 125%						165.27	Cum	5560.70	919041.91
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs, with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200, including cost of materials, labour, HOM complete as per specifications do-Wall & bottom thickness 15cm (I No-37.59.2, P No-271, KPWD SR 2018-19)									
	Quantity Vide Premeasurements Page No - 14 to 19						543.10			
	Qty Upto 125%						206.40	Cum	6940.80	1432581.12
	Qty Above 125%						336.70	Cum	7140.90	2404344.60
6	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. (I No-28.8.2, P No-229)									

Contractor

Consultant

Assistant Engineer

11/8/2021

Asst. Executive Engineer
Project Division

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BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark	(m)			(m)	(m)					
Detailed Measurement											
Quantity Vide Premeasurements Page No - 125 to 13								32.75			
Qty Upto 125%								18.57	Tonne	67480.00	1253103.60
Qty Above 125%								11.55	Tonne	80948.07	934950.21
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete As per Engineer incharge. (Data Rate)										
Measurement recorded on:											
Culvert Slabs											
Srinivasa Garden Layout											
1st Main Road - LHS											
Culvert			1	7.80	1.50	11.70					
244.00	250.10		1	6.10	1.50	9.15					
1st Main Road - RHS											
63.70	70.80		1	7.10	1.50	10.65					
2nd Main Road - LHS											
Culvert			1	7.50	1.50	11.25					
161.00	167.50		1	6.50	1.50	9.75					
2nd Main Road - RHS											
Culvert			1	7.50	1.50	11.25					
Noor Nagar West Side											
Noor Nagar Main Road - LHS											
18.10	21.50		1	3.40	1.20	4.08					
64.20	69.10		1	4.90	1.20	5.88					
87.50	91.90		1	4.40	1.20	5.28					
Noor Nagar Main Road - RHS											
72.10	76.50		1	4.40	1.20	5.28					
110.30	113.30		1	3.00	1.20	3.60					
Total Qty Work Done								87.87	Sqm	5152.58	452757.20
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete As per Engineer incharge. (Data Rate)										
Measurement recorded on:											
Eshwara Condiments Side Road (Medows Appartment Opp) - LHS											
0.00	11.50		1	11.50	0.90	10.35					
15.50	30.00		1	14.50	0.90	13.05					
30.00	60.00		1	30.00	0.90	27.00					
60.00	73.00		1	13.00	0.90	11.70					
78.00	90.00		1	12.00	0.90	10.80					
90.00	120.00		1	30.00	0.90	27.00					
120.00	147.00		1	27.00	0.90	24.30					
Eshwara Condiments Side Road (Medows Appartment Opp) - RHS											
0.00	30.00		1	30.00	0.90	27.00					
30.00	45.50		1	15.50	0.90	13.95					

A. S. V. V.
Contractor

R. S. R.
Consultant

K. S. R.
Assistant Engineer
11/8/2021

Asst. Executive Engineer
Project Division

BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark				(m)	(m)	(m)				
Detailed Measurement											
	48.00	60.00		1	12.00	0.90		10.80			
	60.00	69.00		1	9.00	0.90		8.10			
	73.00	90.00		1	17.00	0.90		15.30			
	90.00	120.00		1	30.00	0.90		27.00			
	120.00	150.00		1	30.00	0.90		27.00			
	150.00	153.30		1	3.30	0.90		2.97			
Srinivasa Garden Layout											
1st Main Road - LHS											
	0.00	30.00		1	28.00	0.90		25.20			
	30.00	60.00		1	26.70	0.90		24.03			
	60.00	90.00		1	30.00	0.90		27.00			
	90.00	120.00		1	30.00	0.90		27.00			
	120.00	150.00		1	30.00	0.90		27.00			
	150.00	180.00		1	30.00	0.90		27.00			
	180.00	210.00		1	30.00	0.90		27.00			
	210.00	240.00		1	30.00	0.90		27.00			
	240.00	244.00		1	4.00	0.90		3.60			
	250.10	275.70		1	25.60	0.90		23.04			
1st Main Road - RHS											
	0.00	30.00		1	28.00	0.90		25.20			
	30.00	30.00		1	26.70	0.90		24.03			
	30.00	60.00		1	30.00	0.90		27.00			
	60.00	63.70		1	3.70	0.90		3.33			
	70.80	90.00		1	19.20	0.90		17.28			
	90.00	120.00		1	30.00	0.90		27.00			
	120.00	150.00		1	30.00	0.90		27.00			
	150.00	180.00		1	30.00	0.90		27.00			
	180.00	210.00		1	30.00	0.90		27.00			
	210.00	240.00		1	30.00	0.90		27.00			
	240.00	259.90		1	19.90	0.90		17.91			
2nd Main Road - LHS											
	0.00	30.00		1	30.00	0.90		27.00			
	30.00	60.00		1	30.00	0.90		27.00			
	60.00	90.00		1	30.00	0.90		27.00			
	90.00	120.00		1	30.00	0.90		27.00			
	120.00	150.00		1	30.00	0.90		27.00			
	150.00	161.00		1	11.00	0.90		9.90			
	167.50	182.50		1	15.00	0.90		13.50			
2nd Main Road - RHS											
	0.00	30.00		1	30.00	0.90		27.00			
	30.00	60.00		1	30.00	0.90		27.00			
	60.00	90.00		1	30.00	0.90		27.00			
	90.00	120.00		1	30.00	0.90		27.00			
	120.00	150.00		1	30.00	0.90		27.00			
	150.00	161.00		1	11.00	0.90		9.90			
	161.00	167.50		1	6.50	0.90		5.85			

Contractor

Consultant

Assistant Engineer 11/8/2021

Asst. Executive Engineer
Project Division

BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark				(m)	(m)	(m)				
	167.50	182.50		1	15.00	0.90		13.50			
Detailed Measurement											
Agrahara Badavane Cross Road - RHS											
	9.00	39.00		1	30.00	0.90		27.00			
	39.00	69.00		1	27.00	0.90		24.30			
	69.00	99.00		1	27.50	0.90		24.75			
	99.00	129.00		1	30.00	0.90		27.00			
	129.00	133.80		1	4.80	0.90		4.32			
Noor Nagar West Side											
Noor Nagar Main Road - LHS											
	0.00	18.10		1	18.10	0.90		16.29			
	21.50	51.50		1	30.00	0.90		27.00			
	51.50	64.20		1	12.70	0.90		11.43			
	69.10	87.50		1	18.40	0.90		16.56			
	91.90	110.30		1	18.40	0.90		16.56			
Noor Nagar Main Road - RHS											
	0.00	30.00		1	30.00	0.90		27.00			
	30.00	60.00		1	30.00	0.90		27.00			
	60.00	72.10		1	12.10	0.90		10.89			
	76.50	90.00		1	13.50	0.90		12.15			
	90.00	110.30		1	20.30	0.90		18.27			
Noor Nagar 1st Cross Road - LHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	18.10		1	3.10	0.60		1.86			
Noor Nagar 2nd Cross Road - LHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	21.00		1	6.00	0.60		3.60			
Noor Nagar 2nd Cross Road - RHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	21.00		1	6.00	0.60		3.60			
Noor Nagar Sub Cross Road - LHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	30.00		1	15.00	0.60		9.00			
	30.00	46.00		1	16.00	0.60		9.60			
Noor Nagar Sub Cross Road - RHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	30.00		1	15.00	0.60		9.00			
	30.00	46.00		1	16.00	0.60		9.60			
Noor Nagar 3rd Cross Road - LHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	25.00		1	10.00	0.60		6.00			
Noor Nagar 3rd Cross Road - RHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	32.60		1	17.60	0.60		10.56			
Noor Nagar 4th Cross Road - LHS											
	0.00	15.00		1	15.00	0.60		9.00			
	15.00	32.20		1	17.20	0.60		10.32			

Contractor

Consultant

Assistant Engineer

11/8/2021

Executive Engineer
Project Division

BID Item No	CHAINAGE		Side	NO	L	Avg B	Ø	QTY	Unit	Rate	Amount	
	Land Mark	(m)			(m)	(m)						
Detailed Measurement												
Near Nagar 5th Cross Road - LHS												
	0.00	15.00		1	15.00	0.60		9.00				
	15.00	22.20		1	7.20	0.60		4.32				
Near Nagar 5th Cross Road - RHS												
	0.00	15.00		1	15.00	0.60		9.00				
	15.00	22.20		1	7.20	0.60		4.32				
Total Qty Work Done								1828.88				
Qty Upto 125%								1350.00	Sqm	2125.82	286087.08	
Qty Above 125%								178.88	Sqm	2384.31	421162.82	
9	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No.301 (Page, 143 Item 18.1)											
Quantity Vide Premeasurements Page No - 21 to 30								7006.40	Cum	63.62	445746.88	
10	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P No-155, I No-20.18)											
Measurement recorded on:												
Chokkanahalli Layout Main Road												
	0.00	30.00		1	30.00	8.2+8.9/2	0.220	56.43				
	Deduction			-1	9.40	0.65+0.8/2	0.220	-1.50				
	Deduction			-1	2.50	0.6+0.6/2	0.220	-0.33				
	30.00	60.00		1	30.00	8.9+8.7/2	0.220	58.08				
	Deduction			-1	0.30	0.3+0.3/2	0.220	-0.02				
	60.00	90.00		1	30.00	8.7+9.1/2	0.220	58.74				
	Deduction			-3	0.30	0.3+0.3/2	0.220	-0.06				
	90.00	120.00		1	30.00	9.1+8.4/2	0.230	60.38				
	Deduction			-1	0.90	0.9+0.9/2	0.230	-0.19				
	Deduction			-1	0.50	0.5+0.5/2	0.230	-0.06				
	Deduction			-1	0.30	0.3+0.3/2	0.230	-0.02				
	120.00	150.00		1	30.00	8.4+8.35/2	0.230	57.79				
	Deduction			-1	0.90	0.9+0.9/2	0.230	-0.19				
	Deduction			-4	0.30	0.3+0.3/2	0.230	-0.08				
	150.00	180.00		1	30.00	8.35+8.75/2	0.230	59.00				
	Deduction			-2	0.30	0.3+0.3/2	0.230	-0.04				
	180.00	210.00		1	30.00	8.75+7.9/2	0.230	57.44				
	Deduction			-8	0.30	0.3+0.3/2	0.230	-0.17				
	210.00	240.00		1	30.00	7.9+9.1/2	0.230	58.65				
	Deduction			-6	0.30	0.3+0.3/2	0.230	-0.12				
	Deduction			-1	1.50	1.5+1.5/2	0.230	-0.52				
	240.00	270.00		1	30.00	9.1+9/2	0.220	59.73				

A. G. Nayak
ContractorK. P. P. K.
ConsultantK. S. S. S.
Assistant Engineer 11/8/2021Asst. Executive Engineer
Project Division

BOQ Item No	CHARGE	Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark			(m)	(m)	(m)				
	Deduction			Detailed Measurement						
	270.00 300.00		9	0.30	0.3+0.3/2	0.220	-0.18			
	Deduction		1	30.00	9+9.1/2	0.220	59.73			
	300.00 328.90		7	0.30	0.3+0.3/2	0.220	-0.14			
	Deduction		1	28.90	9.1+7.9/2	0.220	54.04			
	Deduction		7	0.30	0.3+0.3/2	0.220	-0.14			
	328.90 358.90		-1	1.00	1+1/2	0.220	-0.22			
	Deduction		1	30.00	7.7+7.6/2	0.220	50.49			
	358.90 388.90		-12	0.30	0.3+0.3/2	0.220	-0.24			
	Deduction		1	30.00	7.6+7/2	0.230	50.37			
	388.90 418.90		-8	0.30	0.3+0.3/2	0.230	-0.17			
	Deduction		1	30.00	7+6.9/2	0.230	47.96			
	418.90 448.90		-10	0.30	0.3+0.3/2	0.230	-0.21			
	Deduction		1	30.00	6.9+7.2/2	0.230	48.65			
	448.90 478.90		-11	0.30	0.3+0.3/2	0.230	-0.23			
	Deduction		1	30.00	7.2+8.1/2	0.230	52.79			
	478.90 508.90		-15	0.30	0.3+0.3/2	0.230	-0.31			
	Deduction		1	30.00	8.1+8.2/2	0.230	56.24			
	508.90 538.90		-6	0.30	0.3+0.3/2	0.230	-0.12			
	538.90 568.90		1	30.00	8.2+5.9/2	0.230	48.65			
	Deduction		1	30.00	5.9+7.2/2	0.230	45.20			
	568.90 598.90		-4	0.30	0.3+0.3/2	0.230	-0.08			
	Deduction		1	30.00	7.2+7.3/2	0.220	47.85			
	598.90 613.60		-6	0.30	0.3+0.3/2	0.220	-0.12			
	Deduction		1	14.70	7.3+5.8/2	0.220	21.18			
	Deduction		-1	0.30	0.3+0.3/2	0.220	-0.02			
	Deduction		-1	1.20	1.2+1.2/2	0.220	-0.32			
Thirumenahalli Main Road										
	0.00 30.00		1	30.00	6.1+7.3/2	0.220	44.22			
	Deduction		-2	0.90	0.9+0.9/2	0.220	-0.36			
	Deduction		-1	1.20	0.9+0.9/2	0.220	-0.24			
	Deduction		-5	0.30	0.3+0.3/2	0.220	-0.10			
	30.00 60.00		1	30.00	7.3+8/2	0.220	50.49			
	Deduction		-1	0.90	0.9+0.9/2	0.220	-0.18			
	Deduction		-3	1.20	0.9+0.9/2	0.220	-0.71			
	Deduction		-3	0.30	0.3+0.3/2	0.220	-0.06			
	Deduction		-1	3.50	1.2+1.2/2	0.220	-0.92			
	60.00 90.00		1	30.00	8+8.3/2	0.230	56.24			
	Deduction		-6	0.30	0.3+0.3/2	0.230	-0.12			
	Deduction		-1	1.20	1.2+1.2/2	0.230	-0.33			
	90.00 120.00		1	30.00	8.3+8.8/2	0.230	59.00			
	Deduction		-2	1.20	0.9+0.9/2	0.230	-0.50			
	Deduction		-8	0.30	0.3+0.3/2	0.230	-0.17			
	120.00 150.00		1	30.00	8.8+7.9/2	0.230	57.62			
	Deduction		-3	1.20	0.9+0.9/2	0.230	-0.75			
	Deduction		-6	0.30	0.3+0.3/2	0.230	-0.12			
	150.00 180.00		1	30.00	7.9+8.3/2	0.230	55.89			
	Deduction		-2	1.20	0.9+0.9/2	0.230	-0.50			

Contractor

Consultant

Assistant Engineer

11/01/2021

Asst. Executive Engineer
Project Division

CHINA	CHINA	CHINA	CHINA	L	Avg B	D	QTY	Unit	Rate	Amount
CHINA	CHINA	CHINA	CHINA	(m)	(m)	(m)				
Detailed Measurement										
Deduction				0.30	0.3+0.3/2	0.230	-0.14			
180.00	210.00		1	30.00	8.3+6.8/2	0.220	49.83			
Deduction			-1	1.20	0.9+0.9/2	0.220	-0.24			
Deduction			-2	1.50	1.5+1.5/2	0.220	-0.98			
Deduction			-8	0.90	0.9+0.9/2	0.220	-1.07			
Deduction			-1	6.50	0.3+0.3/2	0.220	-0.43			
210.00	240.00		1	30.00	6.8+6.8/2	0.220	44.88			
Deduction			-5	0.30	0.3+0.3/2	0.220	-0.10			
Deduction			-1	1.50	1.5+1.5/2	0.220	-0.50			
240.00	270.00		1	30.00	6.8+6.3/2	0.230	45.20			
Deduction			-4	1.20	0.9+0.9/2	0.230	-0.99			
Deduction			-4	0.30	0.3+0.3/2	0.230	-0.08			
270.00	300.00		1	30.00	6.3+5.1/2	0.230	39.33			
Deduction			-1	1.20	0.9+0.9/2	0.230	-0.25			
300.00	330.00		1	30.00	5.1+7/2	0.230	41.75			
Deduction			-3	1.20	0.9+0.9/2	0.230	-0.75			
330.00	360.00		1	30.00	7+6.4/2	0.220	44.22			
Deduction			-1	0.90	0.9+0.9/2	0.220	-0.18			
Deduction			-4	0.30	0.3+0.3/2	0.220	-0.08			
360.00	390.00		1	30.00	6.4+5.5/2	0.220	39.27			
Deduction			-2	0.30	0.3+0.3/2	0.220	-0.04			
390.00	420.00		1	30.00	5.5+7/2	0.220	41.25			
Deduction			-3	0.30	0.3+0.3/2	0.220	-0.06			
420.00	423.20		1	3.20	7+6.8/2	0.220	4.86			
Rajanna House Road from Thirumenahalli Road to Agrahara Layout Main Road										
0.00	23.00		1	23.00	6.7+6.4/2	0.230	34.65			
74.50	104.50		1	30.00	1.6+1.6/2	0.250	12.00			
Deduction			-6	0.30	0.3+0.3/2	0.250	-0.14			
104.50	134.50		1	30.00	3.2+3.2/2	0.250	24.00			
Deduction			-1	1.20	1.2+1.2/2	0.250	-0.36			
134.50	163.50		1	29.00	6.9+6.5/2	0.230	44.69			
Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
Deduction			-6	0.30	0.3+0.3/2	0.230	-0.12			
163.50	193.50		1	30.00	6.5+7.1/2	0.230	46.92			
Deduction			-1	0.90	0.9+0.9/2	0.230	-0.19			
Deduction			-1	0.60	0.6+0.6/2	0.230	-0.08			
193.50	223.50		1	30.00	7.1+7.3/2	0.220	47.52			
Deduction			-1	1.20	0.9+0.9/2	0.220	-0.24			
Deduction			-4	0.30	0.3+0.3/2	0.220	-0.08			
223.50	253.50		1	30.00	7.3+7/2	0.220	47.19			
Deduction			-1	1.20	0.9+0.9/2	0.220	-0.24			
Deduction			-6	0.30	0.3+0.3/2	0.220	-0.12			
253.50	283.50		1	30.00	7+7.2/2	0.230	48.99			
Deduction			-6	0.30	0.3+0.3/2	0.230	-0.12			
Deduction			-1	1.20	0.9+0.9/2	0.230	-0.25			
283.50	313.50		1	30.00	7.2+7.4/2	0.230	50.37			

Contractor

Consultant

Assistant Engineer 11/8/2021

Asst. Executive Engineer

BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark				(m)	(m)	(m)				
Detailed Measurement											
	Deduction			-2	1.50	1.5+1.5/2	0.230	-1.04			
	Deduction			-5	0.30	0.3+0.3/2	0.230	-0.10			
313.50	343.50			1	30.00	7.4+7.4/2	0.230	51.06			
	Deduction			-3	1.20	0.9+0.9/2	0.230	-0.75			
	Deduction			-5	0.30	0.3+0.3/2	0.230	-0.10			
343.50	373.20			1	29.70	7.4+7/2	0.220	47.04			
	Deduction			-1	1.20	1.2+1.2/2	0.220	-0.32			
	Deduction			-5	0.30	0.3+0.3/2	0.220	-0.10			
Agrahara Layout Main Road											
0.00	30.00			1	30.00	9+7.6/2	0.220	54.78			
	Deduction			-1	0.50	0.8+0.8/2	0.220	-0.09			
30.00	60.00			1	30.00	7.6+7.3/2	0.220	49.17			
60.00	90.00			1	30.00	7.3+6.7/2	0.220	46.20			
	Deduction			-1	1.20	0.9+0.9/2	0.220	-0.24			
	Deduction			-1	0.50	0.5+0.5/2	0.220	-0.06			
90.00	120.00			1	30.00	6.7+7.8/2	0.230	50.03			
	Deduction			-1	0.90	0.9+0.9/2	0.230	-0.19			
	Deduction			-1	0.50	0.5+0.5/2	0.230	-0.06			
	Deduction			-1	0.30	0.3+0.3/2	0.230	-0.02			
120.00	150.00			1	30.00	7.8+9.4/2	0.230	59.34			
	Deduction			-1	1.20	0.9+0.9/2	0.230	-0.25			
150.00	180.00			1	30.00	9.4+9.2/2	0.230	64.17			
	Deduction			-3	1.20	0.9+0.9/2	0.230	-0.75			
	Deduction			-1	0.30	0.3+0.3/2	0.230	-0.02			
180.00	210.00			1	30.00	9.2+8.6/2	0.220	58.74			
	Deduction			-2	1.50	1.5+1.5/2	0.220	-0.99			
	Deduction			-2	1.20	1.2+1.2/2	0.220	-0.63			
	Deduction			-5	0.30	0.3+0.3/2	0.220	-0.10			
210.00	240.00			1	30.00	8.6+6.9/2	0.220	51.15			
	Deduction			-7	0.30	0.3+0.3/2	0.220	-0.14			
	Deduction			-2	1.20	1.2+1.2/2	0.220	-0.63			
240.00	270.00			1	30.00	6.9+8.3/2	0.230	52.44			
	Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
	Deduction			-2	0.30	0.3+0.3/2	0.230	-0.04			
270.00	300.00			1	30.00	8.3+8.5/2	0.230	57.96			
	Deduction			-2	1.20	1.2+1.2/2	0.230	-0.66			
	Deduction			-3	0.50	0.5+0.5/2	0.230	-0.17			
300.00	330.00			1	30.00	8.5+8.5/2	0.230	58.65			
	Deduction			-6	0.30	0.3+0.3/2	0.230	-0.12			
	Deduction			-3	1.20	1.2+1.2/2	0.230	-0.99			
	Deduction			-1	1.50	1.5+1.5/2	0.230	-0.52			
	Deduction			-1	2.50	1.2+1.2/2	0.230	-0.69			
330.00	360.00			1	30.00	8.5+8.9/2	0.220	57.42			
	Deduction			-1	5.00	1+1/2	0.220	-1.10			
	Deduction			-3	1.20	1.2+1.2/2	0.220	-0.95			
	Deduction			-6	0.30	0.3+0.3/2	0.220	-0.12			
360.00	390.00			1	30.00	8.9+8.9/2	0.220	58.74			

Contractor

Consultant

Assistant Engineer 11/8/2021

Asst. Executive Engineer Project Division

BOQ Item No	CHAINAGE		Side	NO	L (m)	Avg B (m)	D (m)	QTY	Unit	Rate	Amount
	Land Mark										
Detailed Measurement											
	Deduction			-1	5.00	1.2+1.2/2	0.220	-1.32			
	Deduction			-2	1.20	1.2+1.2/2	0.220	-0.63			
	Deduction			-8	0.30	0.3+0.3/2	0.220	-0.16			
390.00	420.00			1	30.00	8.9+7.9/2	0.230	57.96			
	Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
420.00	450.00			1	30.00	7.9+7.7/2	0.230	53.82			
	Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
	Deduction			-1	3.00	0.3+0.3/2	0.230	-0.21			
	Deduction			-3	0.30	0.3+0.3/2	0.230	-0.06			
450.00	480.00			1	30.00	7.7+7.9/2	0.230	53.82			
	Deduction			-4	1.20	1.2+1.2/2	0.230	-1.32			
480.00	510.00			1	30.00	7.9+7.6/2	0.230	53.48			
	Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
	Deduction			-3	0.30	0.3+0.3/2	0.230	-0.06			
510.00	540.00			1	30.00	7.6+6.5/2	0.230	48.65			
	Deduction			-1	0.30	0.3+0.3/2	0.230	-0.02			
540.00	570.00			1	30.00	6.5+6.9/2	0.230	46.23			
	Deduction			-1	1.20	1.2+1.2/2	0.230	-0.33			
570.00	600.00			1	30.00	6.9+7.7/2	0.220	48.18			
	Deduction			-1	0.30	0.3+0.3/2	0.220	-0.02			
600.00	630.00			1	30.00	7.7+7.5/2	0.220	50.16			
	Deduction			-1	1.50	1.5+1.5/2	0.220	-0.50			
	Deduction			-1	8.20	1.6+1.6/2	0.220	-2.89			
630.00	660.00			1	30.00	7.5+6.8/2	0.230	49.34			
660.00	690.00			1	30.00	6.8+6.2/2	0.230	44.85			
	Deduction			-1	0.90	0.9+0.9/2	0.230	-0.19			
690.00	720.00			1	30.00	6.2+6.8/2	0.230	44.85			
720.00	746.80			1	26.80	6.8+6.8/2	0.230	41.92			
Eshwara Condiments Side Road (Medows Apartment Opp)											
	0.00	30.00		1	30.00	6.8+6.6/2	0.220	44.22			
	Deduction			-1	0.30	0.3+0.3/2	0.220	-0.02			
	30.00	60.00		1	30.00	6.6+6.7/2	0.220	43.89			
	Deduction			-1	0.30	0.3+0.3/2	0.220	-0.02			
	60.00	90.00		1	30.00	6.7+7.2/2	0.230	47.96			
	Deduction			-1	0.30	0.3+0.3/2	0.230	-0.02			
	90.00	120.00		1	30.00	7.2+7.4/2	0.230	50.37			
	120.00	150.00		1	30.00	7.4+7.5/2	0.230	51.41			
	150.00	153.30		1	3.30	7.5+7.4/2	0.230	5.65			
Noor Nagar Main Road In Thiruvananthapuram											
	0.00	30.00		1	30.00	8.1+7.2/2	0.230	52.79			
	Deduction			-2	0.30	0.3+0.3/2	0.230	-0.04			
	30.00	60.00		1	30.00	7.2+7.7/2	0.230	48.99			
	Deduction			-3	0.30	0.3+0.3/2	0.230	-0.06			
	60.00	90.00		1	30.00	7+7.2/2	0.230	48.99			
	Deduction			-2	0.30	0.3+0.3/2	0.230	-0.04			
	90.00	114.20		1	24.20	7.2+6.9/2	0.220	37.53			
	Deduction			-2	0.30	0.3+0.3/2	0.220	-0.04			

Contractor

Consultant

Assistant Engineer 11/8/2021

Assistant Executive Engineer

28

BQ No (Item No)	Chainage		Side	No	L	Avg B	D	QTY	Unit	Rate	Amount	
	Land Mark				(m)	(m)	(m)					
Detailed Measurement												
Srinivasa Garden Layout												
1st Main Road <i>from Agalathu Road</i>												
	0.00	30.00		1	30.00	$6.7+6.5/2$	0.25	49.50				
	30.00	60.00		1	30.00	$6.5+6.4/2$	0.25	48.38				
	60.00	90.00		1	30.00	$6.4+6.9/2$	0.25	49.88				
	90.00	120.00		1	30.00	$6.9+6.3/2$	0.25	49.50				
	120.00	150.00		1	30.00	$6.3+6.7/2$	0.25	48.75				
	150.00	180.00		1	30.00	$6.7+6.6/2$	0.25	49.88				
	180.00	210.00		1	30.00	$6.6+6.7/2$	0.25	49.88				
	210.00	234.30		1	24.30	$6.7+6.6/2$	0.25	40.40				
	234.30	255.40		1	21.10	$5.5+6/2$	0.25	30.33				
	255.40	266.00		1	10.60	$6+6.2/2$	0.25	16.17				
2nd Main Road <i>from Srinivasa Garden Main Road</i>												
	0.00	21.50		1	21.50	$6.2+5.8/2$	0.25	32.25				
	21.50	51.50		1	30.00	$5.8+5.85/2$	0.25	43.69				
	51.50	81.50		1	30.00	$5.85+5.8/2$	0.25	43.69				
	81.50	111.50		1	30.00	$5.8+6.1/2$	0.25	44.63				
	111.50	141.50		1	30.00	$6.1+6/2$	0.25	45.38				
	141.50	171.50		1	30.00	$6+6.1/2$	0.25	45.38				
	171.50	182.50		1	11.00	$6.1+6.1/2$	0.25	16.78				
Total Qty Work Done								4645.86	Cum	2073.56	9633471.02	
17	KSRRS M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metres, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH Specification No. 202 (I No-18.47, P No-140)											
Quantity Vide Premeasurements Page No - 20								157.17	Cum	915.80	143931.71	
18	KSRRS M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601 of MORTH V Revision and IS 456 Table-5, with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor. (P No-174, I No-22.1.1)											
Quantity Vide Premeasurements Page No - 39 to 40								221.40	Cum	3368.87	745857.71	

Contractor

Consultant

Assistant Engineer (11/8/2021)

Asst. Executive Engineer
Project Division

Account P-3747

MOQ Item No.	CHARGE	Land Mark	Size	No.	Detailed Measurement			QTY	Unit	Rate	Amount
					L	B	D				
					(m)	(m)	(m)				
19	Constructing un-surfaced plant cement concrete for pavements using Grade concrete M30-40 with OPC of 350 Aggum and coarse aggregate 2.5mm, fine aggregate 0.6mm over a prepared base with OPC coarse aggregate at 1:2:4 & 350-2015, with Superplasticizer at 1.5% conforming to IS 3423-2013. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weight batcher as per approved mix design, laid in approved form work with steel channel, raising and fixing of 125 micron thick polythene film, wedges, sand plates including leveling the form work as per drawings. & Spreading the concrete with shovels, rammer compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour hire charges of machinery, all test & lift charges etc. complete as per specifications. (R No-175) No-22 & 1).										
Measurement recorded on:											
Cement Concrete Roads											
Agnahara Badavane Cross Road											
0.00	9.00			1	9.00	2+5.4/2	0.15	7.00			
9.00	36.00			1	30.00	5.4+6/2	0.15	25.00			
36.00	66.00			1	30.00	6+6.5/2	0.15	26.13			
66.00	96.00			1	30.00	6.5+6.3/2	0.15	26.80			
96.00	129.00			1	30.00	6.3+6/2	0.15	21.68			
129.00	133.50			1	4.50	6+6.3/2	0.15	4.41			
Noor Nagar 1st Cross Road											
0.00	15.00			1	15.00	2.5+2.5/2	0.15	5.95			
15.00	18.10			1	3.10	2.6+2.4/2	0.15	1.12			
Noor Nagar 2nd Cross Road											
0.00	15.00			1	15.00	3.5+3.3/2	0.15	7.43			
15.00	21.00			1	6.00	3.3+3.1/2	0.15	2.76			
21.00	25.00			1	14.00	3.1+3.2/2	0.15	6.12			
Noor Nagar Sub Cross Road											
0.00	15.00			1	15.00	3.2+3.8/2	0.15	8.95			
15.00	30.00			1	15.00	3.8+3.5/2	0.15	7.88			
30.00	41.00			1	11.00	3.5+3.5/2	0.15	5.76			
Noor Nagar 3rd Cross Road											
0.00	15.00			1	15.00	3+3.2/2	0.15	7.20			
15.00	34.60			1	19.60	3.2+2.9/2	0.15	7.94			
Noor Nagar 4th Cross Road											
0.00	15.00			1	15.00	1.6+2/2	0.15	4.50			
15.00	34.20			1	19.20	2+2.1/2	0.15	6.06			
Noor Nagar 5th Cross Road											
0.00	15.00			1	15.00	2.2+2.3/2	0.15	5.18			
15.00	22.20			1	7.20	2.3+2.2/2	0.15	2.58			
Noor Nagar 6th Cross Road											
0.00	15.00			1	15.00	3+3.2/2	0.15	4.80			
15.00	30.00			1	15.00	3.2+3.3/2	0.15	7.43			
30.00	45.00			1	15.00	3.3+2.9/2	0.15	6.31			
45.00	50.80			1	5.80	2.9+3.2/2	0.15	1.86			
Total Qty Work Done								221.07	Cum	5000.00	1105317.00

Contractor



Assistant Engineer 14/8/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 56

DG n No	CHAINAGE Land Mark	Side	NO	L (m)	Avg B (m)	D (m)	QTY	Unit	Rate	Amount
Detailed Measurement										
E-1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 conforming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No 5.4 (Page, 25 Item 5.26.2)									
Quantity Vide Premeasurements Page No - 7							178.72	Cum	989.23	176795.19
E-2	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page, 13 Item 4.6)									
Quantity Vide Premeasurements Page No - 8							11.39	Cum	5804.79	66128.17
E-3	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. complete (Page, 27 Item 5.30)									
Measurement recorded on										
Eshwara Condiments Side Road (Medows Appartment Opp) - LHS										
	0.00	11.50		1	11.50		11.50			
	15.50	30.00		1	14.50		14.50			
	30.00	60.00		1	30.00		30.00			
	60.00	73.00		1	13.00		13.00			
	78.00	90.00		1	12.00		12.00			
	90.00	120.00		1	30.00		30.00			
	120.00	147.00		1	27.00		27.00			
Eshwara Condiments Side Road (Medows Appartment Opp) - RHS										
	0.00	30.00		1	30.00		30.00			
	30.00	45.50		1	15.50		15.50			
	48.00	60.00		1	12.00		12.00			
	60.00	69.00		1	9.00		9.00			
	73.00	90.00		1	17.00		17.00			
	90.00	120.00		1	30.00		30.00			
	120.00	150.00		1	30.00		30.00			
	150.00	153.30		1	3.30		3.30			
Srinivasa Garden Layout										
1st Main Road - LHS										
	0.00	30.00		1	28.00		28.00			
	30.00	60.00		1	26.70		26.70			
	60.00	90.00		1	30.00		30.00			
	90.00	120.00		1	30.00		30.00			

Contractor

Consultant

Assistant Engineer 11/8/2021

Asst. Executive Engineer
Project Division

BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount
	Land Mark				(m)	(m)	(m)				
Detailed Measurement											
	120.00	150.00		1	30.00			30.00			
	150.00	180.00		1	30.00			30.00			
	180.00	210.00		1	30.00			30.00			
	210.00	240.00		1	30.00			30.00			
	240.00	244.00		1	4.00			4.00			
	250.10	275.70		1	25.60			25.60			
1st Main Road - RHS											
	0.00	30.00		1	28.00			28.00			
	30.00	30.00		1	26.70			26.70			
	30.00	60.00		1	30.00			30.00			
	60.00	63.70		1	3.70			3.70			
	70.80	90.00		1	19.20			19.20			
	90.00	120.00		1	30.00			30.00			
	120.00	150.00		1	30.00			30.00			
	150.00	180.00		1	30.00			30.00			
	180.00	210.00		1	30.00			30.00			
	210.00	240.00		1	30.00			30.00			
	240.00	259.90		1	19.90			19.90			
2nd Main Road - LHS											
	0.00	30.00		1	30.00			30.00			
	30.00	60.00		1	30.00			30.00			
	60.00	90.00		1	30.00			30.00			
	90.00	120.00		1	30.00			30.00			
	120.00	150.00		1	30.00			30.00			
	150.00	161.00		1	11.00			11.00			
	167.50	182.50		1	15.00			15.00			
2nd Main Road - RHS											
	0.00	30.00		1	30.00			30.00			
	30.00	60.00		1	30.00			30.00			
	60.00	90.00		1	30.00			30.00			
	90.00	120.00		1	30.00			30.00			
	120.00	150.00		1	30.00			30.00			
	150.00	161.00		1	11.00			11.00			
	161.00	167.50		1	6.50			6.50			
	167.50	182.50		1	15.00			15.00			
Agrahara Badavane Cross Road - RHS											
	9.00	39.00		1	30.00			30.00			
	39.00	69.00		1	27.00			27.00			
	69.00	99.00		1	27.50			27.50			
	99.00	129.00		1	30.00			30.00			
	129.00	133.80		1	4.80			4.80			
Noor Nagar West Side											
Noor Nagar Main Road - LHS											
	0.00	18.10		1	18.10			18.10			
	21.50	51.50		1	30.00			30.00			
	51.50	64.20		1	12.70			12.70			

Contractor

Consultant

Assistant Engineer

11/8/2021

Asst. Executive Engineer
Project Engineer
Kalahanka Zone

BOQ Item No	CHAINAGE		Side	NO	L	Avg B	D	QTY	Unit	Rate	Amount		
	Land Mark				(m)	(m)	(m)						
Detailed Measurement													
	69.10	87.50		1	18.40			18.40					
	91.90	110.30		1	18.40			18.40					
Noor Nagar Main Road - RHS													
	0.00	30.00		1	30.00			30.00					
	30.00	60.00		1	30.00			30.00					
	60.00	72.10		1	12.10			12.10					
	76.50	90.00		1	13.50			13.50					
	90.00	110.30		1	20.30			20.30					
Total Length = L								1507.90					
No of Kerbs = L/0.45								3351.00					
Total Qty Work Done								3351.00	Nos	436.80	1463716.80		
E-4	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3												
Quantity Vide Premeasurements Page No - 31 to 38								21715.64	Sqm	6.42	139414.38		
E-5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications (Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page, 147 Item 19.60)												
Quantity Vide Premeasurements Page No - 41 to 42								1263.07	Cum	347.95	439484.34		
E-6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page, 153 Item 20.6)												
Quantity Vide Premeasurements Page No - 43 to 46								1277.54	Cum	1873.55	2393534.13		
Total Amount								28297414.49			28297414.49		
Add 12% GST								3395689.74			3395689.74		
Grand Total Amount								31693104.23			31693104.23		

Contractor

Consultant

Assistant Engineer

11/8/2021

Asst. Executive Engineer
Assistant Executive Engineer
Project Division